1	Claims									
2										
3	1. A method for operating a filer including the steps of;									
4	receiving at a first location a request from a user for an object;									
5	processing said request at a second location, wherein said step of									
6	processing includes at least one of the following: (1) searching for one or more									
7	recognizable patterns of data within said object, (2) compressing said object, and									
8	(3) encrypting said object.									
9	responding to said request, wherein said step of responding includes									
10 10 14	delivery of a response to said user.									
Mary Mary Through the Company of the	2. The method of claim 1, wherein said request is in an electronic form.									
13 - 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3. The method of claim 1, wherein said object is a file.									
16	4. The method of claim 3, wherein said step of processing said request									
17	further includes the steps of;									
18	creating an access path from said filer to a processing cluster;									
19	processing said file in said processing cluster; and									
20	generating a scan report wherein, said scan report is responsive to									
21	said processing of said file in said processing cluster.									

1	5.	The method of claim 4, wherein said step of creating an access path
2	includes sending t	he ID and path of said file from said filer to said processing cluster.
3		
4	6.	The method of claim 5, wherein said step of sending is accomplished
5	using non-uniform	n memory access.
6		
7	7.	The method of claim 5, wherein said step of sending is accomplished
8	using a communic	ations network.
9 11 10 11 11 11 11 11 11	8. using a direct conf	The method of claim 5, wherein said step of sending is accomplished nection.
	9.	The method of claim 4, wherein said step of processing of said file is
13 14 15 15	performed by said	processing cluster in a round robin fashion for subsequent files re-
151	ceived.	
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17	10.	The method of claim 4, wherein said step of processing of said file is
18	accomplished in pa	arts by more than one device in said processing cluster.
19		
20	11.	The method of claim 4, wherein all files stored on said filer are
21	scanned in a logica	al continuous manner.

1		12.	The method of claim 4, wherein said scan report contains a set of
2	status data:	relating	g to said processing of said file.
3			
4		13.	The method of claim 12, wherein said status data includes at least
5	one data ele	ement i	dentifying the presence or non-presence of a virus in said file.
6			
7		14.	The method of claim 13, wherein said report is transferred to said
8	filer.		
	base.	15.	The method of claim 14, wherein said report is stored in a first data-
		16.	The method of claim 15, wherein the necessity for subsequent scan-
14	ning of said	file is	a function of determining whether said database contains said report
13 14 15 16	relating to s	said file	and whether said file has changed since last accessed.
17		17.	The method of claim 16, wherein the necessity for subsequent scan-
18	ning of said	l file is	a function of determining whether additional virus identification data
19	files have b	een ado	led to said processing cluster.
20			
21		18.	The method of claim 1, wherein said delivery of a response is said
22	file.		

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2	19.	The method of claim 1, wherein said delivery of a response includes
3	notification to said	user that said file is unavailable.

20. The method of claim 1, wherein said step of responding to said request includes sending said user a copy of said scan report.

21. An apparatus for operating a filer including,

means for receiving at a first location a request from a user for an object;

means for processing said request at a second location, wherein said means for processing includes at least one of the following: (1) means for searching for one or more recognizable patterns of data within said object, (2) means for compressing said object, and (3) means for encrypting said object.

means for responding to said request, wherein said means for responding includes delivery of a response to said user.

22. The apparatus of claim 21, wherein said object is a file.

23. The apparatus of claim 22, wherein said means for processing said request further includes

1		means for creating an access path from said filer to a processing								
2		cluster;								
3		means for processing said file in said processing cluster; and								
4		means for generating a scan report wherein, said scan report is re-								
5	sponsive to said pr	ocessing of said file in said processing cluster.								
6										
7	24.	The apparatus of claim 23, wherein said means for creating an access								
8	path includes means for sending the ID and path of said file from said filer to said proc-									
9	essing cluster.									
9 10 10 14 14 14 14 14 14 14 14 14 14 14 14 14	25.	The apparatus of claim 24, wherein said means for sending is ac-								
122 122	complished using	non-uniform memory access.								
13 14 15	26.	The apparatus of claim 24, wherein said means for sending is ac-								
1 <b>5</b> ]	complished using	a communications network.								
16										
17	27.	The apparatus of claim 24, wherein said means for sending is ac-								
18	complished using	a direct connection.								
19										
20	28.	The apparatus of claim 23, wherein said means for processing of said								
21	file is performed l	by said processing cluster in a round robin fashion for subsequent files								
22	received.									

2 29. The apparatus of claim 23, wherein said means for processing of said file is performed on atomic units of said file by more than one device in said processing cluster.

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The apparatus of claim 23, wherein all files stored on said filer are scanned in a logical continuous manner.

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31. The apparatus of claim 23, wherein said scan report contains a set of status data relating to said processing of said file.

32. The apparatus of claim 31, wherein said status data includes at least one data element identifying the presence or non-presence of a virus in said file.

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33. The apparatus of claim 31, wherein said report is transferred to said filer.

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The apparatus of claim 33, wherein said report is stored in a first database.

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	35.	The	apparatus	of	claim	34,	wherein	the	necessity	for	subse	equent
scanning of	of said fil	le is a	function o	of d	etermi	ning	whether	said	database	conta	ains s	aid re-
port relation	ng to said	l file a	and whethe	er sa	aid file	has	changed	since	e last acce	ssed.		

- The apparatus of claim 35, wherein the necessity for subsequent 36. scanning of said file is a function of determining whether additional virus identification data files have been added to said processing cluster.
- 37. The apparatus of claim 21, wherein said delivery of a response is delivery of said file.
- 38. The apparatus of claim 21, wherein said delivery of a response includes delivery of notification to said user that said file is unavailable.

The apparatus of claim 21, wherein said means for responding to 39. said request includes sending said user some portion of said scan report.

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